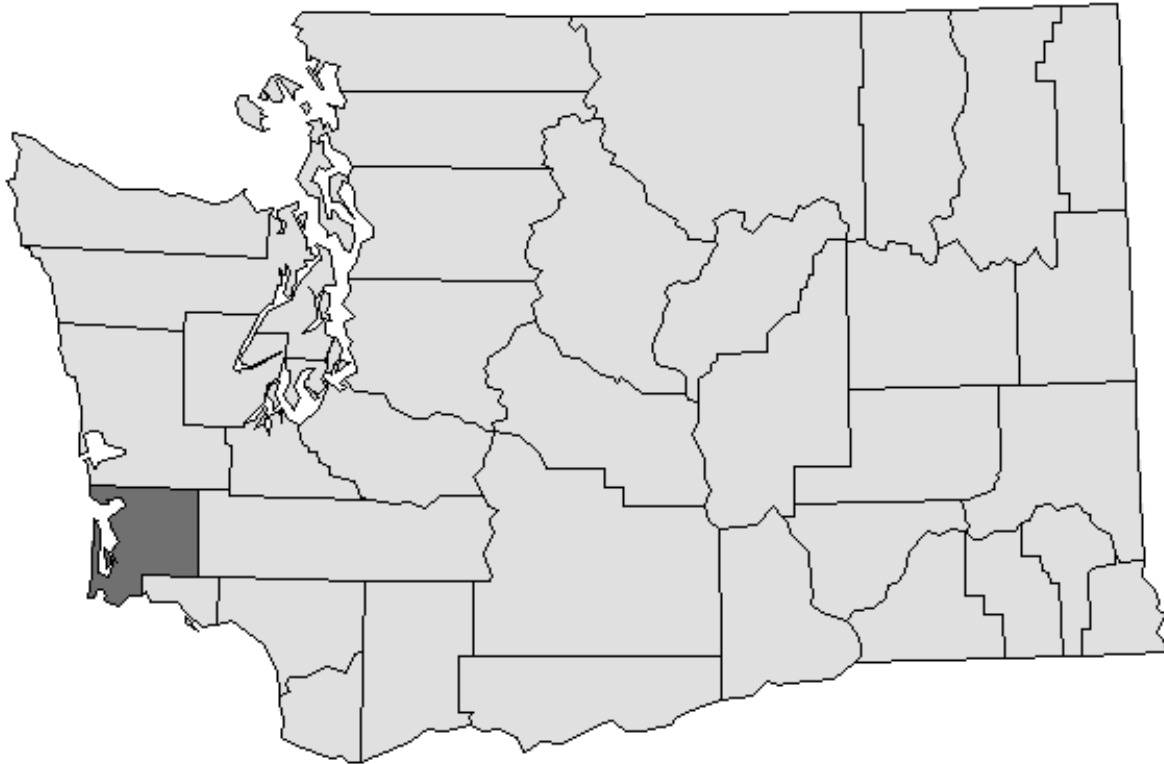


County Profile of Substance Use and Need for Treatment Services in Pacific County



**Washington State Department of
Social and Health Services**

**Division of Alcohol
and Substance Abuse**

Research and Data Analysis

**December 1999
Revised March 2002**

CONTENTS

- * The purpose of the report
- * Washington Needs Assessment Household Survey
- * Measures of substance use disorder
- * Population groups for analysis
- * Estimates of substance use disorder
- * Estimates of current need for SA services
- * Treatment Assessment Report Generation Tool
- * Service trends from TARGET database
- * Service use by modality and activity
- * Service use by demographics
- * Comparisons of need and service use



U.S. DEPARTMENT HEALTH AND HUMAN SERVICES
Substance Abuse and Mental Health Services Administration
Center for Substance Abuse Treatment

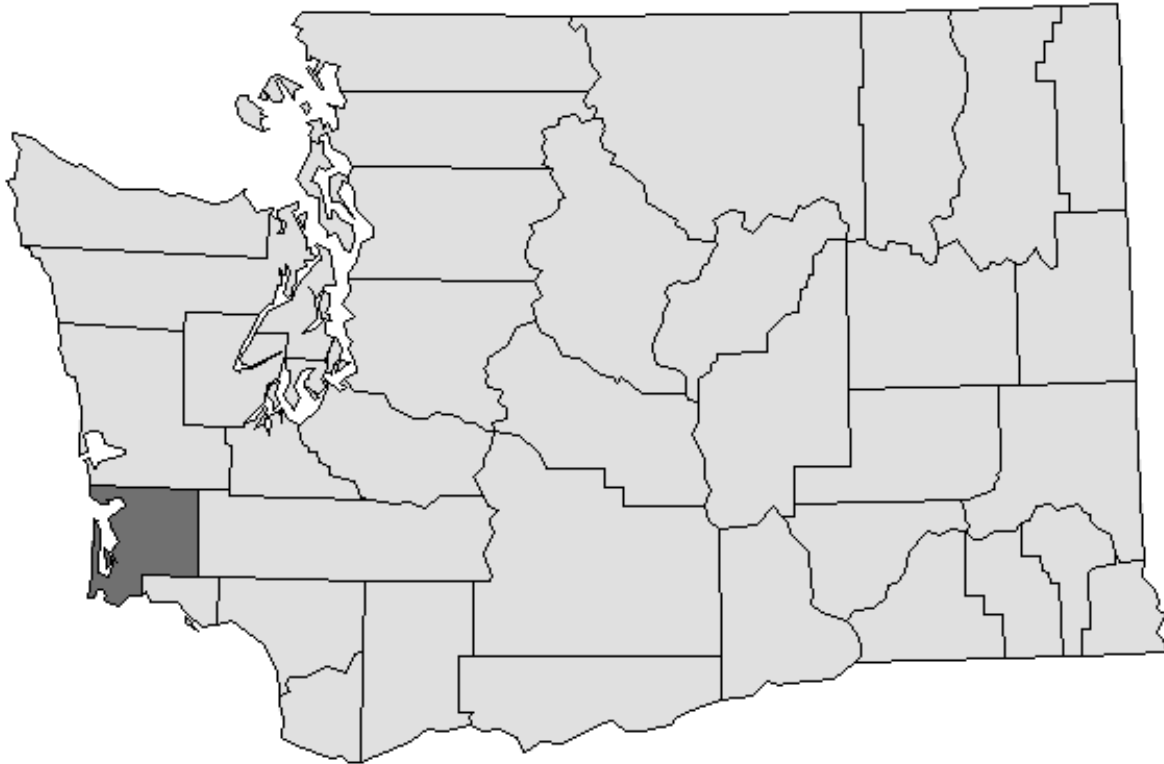
A more expansive version of this report can be found online at:
<http://psy.utmb.edu/estimation/dasa99/report/drugmenu.htm>

Additional copies of this report may be obtained from the
Washington State Alcohol/Drug Clearinghouse
at 1-800-662-9111 (within Washington State) or
206-725-9696 (within Seattle or outside Washington State),
by e-mail at clearinghouse@adhl.org
or by sending a written request to:

Washington State Alcohol/Drug Clearinghouse
3700 Rainier Avenue South, Suite A
Seattle, Washington 98144

This report, originally published in December 1999, was revised in March 2002. Corrections were made to the percentages cited in the text in the last line on page 5 and to the estimated treatment need and the use/need ratio for the 25-44 age group in Table 8 on page 12.

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CSAT

Center for Substance
Abuse Treatment
SAMHSA

Produced under a contract funded by the Center for Substance Abuse Treatment,
Substance Abuse and Mental Health Services Administration,
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The Purpose of This Report

The purpose of this report is to provide local planners and evaluators with information that can be used to compare need for and utilization of substance abuse services in counties and demographic subpopulations. The methods used for these county profiles update and improve upon the analyses presented in the first set of county profiles published in 1996. The new county profiles are also complemented by a more comprehensive report located on the DSHS Internet site which includes more detail on methods and additional breakdowns of results. The shorter county profiles are designed to summarize county-specific information and to be printable for distribution as a paper report. Each county profile provides the following:

- estimates of the demographic characteristics of each county population;
- estimates of substance use, substance use disorder, and need for treatment based on the Washington State Needs Assessment Household Survey (WANAHS);
- service utilization data from the Division of Alcohol and Substance Abuse's treatment assessment database (TARGET); and
- comparisons of need for services and use of services both county-wide and by demographic subgroup

The Washington Needs Assessment Household Survey (WANAHS)

The WANAHS was a statewide survey of over 7,000 adults designed to measure the prevalence of substance use and need for treatment. It was conducted over a 14-month period from September 1993 through October 1994. Funding was provided by a grant from the Federal Center for Substance Abuse Treatment. The Washington State Department of Social and Health Services (DSHS) Research and Data Analysis (RDA) section conducted the project on behalf of the DSHS Division of Alcohol and Substance Abuse. Telephone interviewing was provided by Washington State University's Social and Economic Sciences Center. The WANAHS sample included large numbers of minorities and other special groups in order to facilitate demographic analyses. The WANAHS sample included approximately equal numbers of interviews with African Americans, Asians, Hispanics, American Indians, and non-Hispanic Whites. Additional samples of people living at or below 200% of the Federal Poverty Level (FPL), rural residents, and women were interviewed adding coverage of important, but sometimes overlooked, populations. The survey instrument had questions about current and past use of or dependence on major drugs of abuse. Further details of the interviewing and survey methods are provided in the more detailed on-line report. Upon weighting the WANAHS sample to match the actual population distribution, the survey provides direct statewide estimates of substance use and as well as the need for substance abuse services. A statewide profile is also available as a companion report.

Methods for Estimating County-level Prevalence Rates. In order to derive current county level estimates for substance use, abuse and need for treatment from the statewide survey, it was necessary to construct a demographically specified population matrix for each county against which the statewide survey-based rates could be applied. The population matrix contained counts of persons in all groups defined by age, sex, race, marital status, high school graduation, poverty status (at or below 200% of the Federal Poverty Level), and residence type. The population groups were developed from 1990 U. S. decennial census data and updated with current estimates for age, sex, and race from DSHS. All annual estimated and forecasted population figures are adjusted to match official Washington State population figures from the Office of Financial Management.

The substance use variables from the WANAHS were analyzed by the demographic variables listed above. Logistic regression models estimated rates for each cell in the demographic matrix. Differences

between counties in estimated rates of substance abuse result from the demography of the county. For example, counties with higher proportions of young adults will have higher rates of current substance use than counties with lower proportions of young adults, because young adults are more likely to be using substances. Similarly, since married persons are less likely to report substance use, a county with more married people will have a lower estimate of need. Details for this method, often referred to as synthetic estimation, are provided in a more comprehensive on-line report.

Measures of Substance Use, Substance Use Disorder, and Need for Treatment

The WANAHS obtained measures of use and abuse for many different substances. Those have been presented in previous DASA reports. Some of those measures are also reported here in Tables 2 and 3. Note that tobacco use was not included in the survey. Basic measures of use include having: a) ever used a substance (lifetime use), b) used a substance in the past 12 months (past 18 months for alcohol), and c) used a substance in the past 30 days (current). In addition, the household survey incorporated items and scales from the widely used Diagnostic Interview Schedule (DIS) to assess the substance-related diagnoses of the American Psychiatric Association's Diagnostic and Statistical Manual, Third Edition - Revised (DSM-III-R). Lifetime and past 18 month measures of substance abuse and substance dependence were obtained. Table 1 shows the symptom constructs which are part of the DSM-III-R diagnoses of substance abuse and dependence. Although there have been some changes in the diagnostic criteria with the release of DSM-IV, those are unlikely to greatly affect the present findings.

Table 1. DSM III-R Symptoms of Substance Dependence

Three or more of the following:

1. Substance is often taken in larger amounts or over a longer period than the person intended.
2. Persistent desire or one or more unsuccessful attempts to cut down or control substance use.
3. Great deal of time spent in activities necessary to get the substance, taking the substance or recovering from its effects.
4. Frequent intoxication or withdrawal when expected to fulfill major role obligations or when use is physically hazardous.
5. Important social, occupational or recreational activities given up or reduced because of substance use.
6. Continued use despite knowledge of having a persistent or recurrent social, psychological or physical problem.
7. Marked tolerance or markedly diminished effect with continued use of same amount.
8. Characteristic withdrawal symptoms.
9. Substance often taken to relieve or avoid withdrawal symptoms.

Specific assessment criteria for several measures of problem use are presented below:

DSM-III-R Lifetime Dependence: A person is diagnosed with lifetime dependence if:

1. they have ever had three or more symptoms of dependence, and
2. at least two of those symptoms lasted a month or more or occurred repeatedly over a longer period of time.

DSM-III-R Lifetime Abuse: A person is diagnosed with lifetime abuse if:

1. they do not have a lifetime diagnosis of substance dependence;
2. they have ever continued substance use despite having recurrent social, occupational, psychological or physical problems exacerbated by it OR used repeatedly in situations where use is physically hazardous (determined from a subset of questions used to assess dependence symptoms); and
3. at least one symptom lasted a month or more or occurred repeatedly over a longer period of time.

Past 18 Month Substance Use Disorder: A person is diagnosed with a past 18 month substance use disorder if:

1. they have a diagnosis of lifetime dependence or abuse;
2. they have used a substance in the last 18 months, and
3. they have experienced a DSM-III-R abuse or dependence symptom in the last 18 months.

Past Year Need for Treatment: A respondent needs treatment during the past year if:

1. they have a past 18 month substance use disorder; OR,
2. they "ever had a problem or felt addicted to alcohol or drugs" AND used alcohol or drugs regularly during the past 18 months (i.e. they drank an average of 3 drinks per drinking day at least once per week OR they used marijuana 50 times or more OR they used any other illicit drug 11 times or more); OR,
3. they have received licensed residential or outpatient treatment services during the past 12 months; OR,
4. they have maintained a very high level of alcohol or drug use during the past 18 months (i.e. they drank an average of 4 drinks per drinking day at least 3 to 4 times per week OR they used any illicit drug 50 times or more).

Population Groups for Analysis

Overall prevalence estimates for the various measures of substance use, disorder, and need for treatment in Table 2 and the demographically-specific estimates of treatment need in Table 3 are given for three primary populations of interest:

- **entire adult population** (age 18+) including those living in households, institutions (prisons, hospitals, and nursing homes) and group quarters (military barracks, college dorms, shelters). Residential setting is defined according to the U.S. Bureau of the Census definition. The estimates for this population are based on WANAHS survey rates, except that for the institutional population, particularly those in prison, the rates in the WANAHS survey have been inflated beyond the rates for corresponding demographic cell in the household population to compensate for higher rates in these institutional populations.
- **adult population living in households** regardless of poverty status. Estimates for this column come directly from the WANAHS.
- **adult population living in households and living at or below 200% of the Federal Poverty Level (FPL)**. Estimates for this population are based on a subset of survey respondents living at or below 200% of the federal poverty guidelines which approximates people potentially eligible for publicly funded treatment services. The proportion of persons in poverty is not updated from the 1990 census data but is adjusted with changes in age, sex, and race.

Estimates of Substance Use, Disorder, and Need for Treatment

Table 2 presents current, one-year, and lifetime estimates for a variety of alcohol and drug measures. Within each of the columns is a presentation of the estimated number of cases and percent (the rate per 100) of adults estimated to be in need. The population base or denominators for the percentages can be found in the Total row of Table 3.

**Table 2. Estimates of Substance Use, Disorder, and Service Need
for 1998 for Pacific County**

	Entire Adult Population*		Adult Household Residents		Adults at or below 200% of Poverty	
	Cases	Rate	Cases	Rate	Cases	Rate
Need for treatment						
Current Need for Substance Treatment	1,432	8.6	1,360	8.3	538	8.5
Alcohol or Drug disorder	Cases	Rate	Cases	Rate	Cases	Rate
Lifetime Alcohol or Drug Use Disorder	2,074	12.5	2,003	12.3	790	12.6
Past 18-Month Alcohol or Drug Use Disorder	958	5.8	911	5.6	360	5.7
Alcohol disorder	Cases	Rate	Cases	Rate	Cases	Rate
Lifetime Alcohol Use Disorder	1,640	9.9	1,581	9.7	577	9.2
Past 18-Month Alcohol Use Disorder	877	5.3	835	5.1	304	4.8
Drug disorder	Cases	Rate	Cases	Rate	Cases	Rate
Lifetime Drug Use Disorder	778	4.7	744	4.6	368	5.8
Past 18-Month Drug Use Disorder	257	1.5	237	1.5	138	2.2
Alcohol use	Cases	Rate	Cases	Rate	Cases	Rate
Lifetime Use of Alcohol	15,053	90.7	14,802	90.6	5,400	85.8
Past 18-Month Use of Alcohol	10,998	66.3	10,795	66.1	3,361	53.4
Past 30-Day Use of Alcohol	8,523	51.4	8,354	51.1	2,465	39.2
Use of any drug	Cases	Rate	Cases	Rate	Cases	Rate
Lifetime Use of Any Illicit Drug	5,470	33.0	5,363	32.8	1,927	30.6
Past 12-Month Use of Any Illicit Drug	1,302	7.9	1,231	7.5	490	7.8
Past 30-Day Use of Any Illicit Drug	711	4.3	669	4.1	293	4.7
Marijuana use	Cases	Rate	Cases	Rate	Cases	Rate
Lifetime Use of Marijuana	5,233	31.5	5,129	31.4	1,817	28.9
Past 12-Month Use of Marijuana	1,198	7.2	1,129	6.9	434	6.9
Past 30-Day Use of Marijuana	674	4.1	635	3.9	262	4.2
Stimulant use	Cases	Rate	Cases	Rate	Cases	Rate
Lifetime Use of Stimulants	2,479	14.9	2,386	14.6	1,069	17.0
Past 12-Month Use of Stimulants	348	2.1	298	1.8	164	2.6
Past 30-Day Use of Stimulants	130	0.8	120	0.7	49	0.8
Cocaine use	Cases	Rate	Cases	Rate	Cases	Rate
Lifetime Use of Cocaine	1,795	10.8	1,719	10.5	658	10.5
Past 12-Month Use of Cocaine	254	1.5	216	1.3	121	1.9
Past 30-Day Use of Cocaine	95	0.6	83	0.5	39	0.6

* Includes institutions and group quarters

Estimates of Current Need for Substance Abuse Services

Table 3 presents estimates of the prevalence of current need for substance abuse services by demographics. As in the previous table, the columns correspond to the total adult population, the household adult population, and adults in households at or below 200% of the Federal Poverty Level. These have current need estimates of 8.6%, 8.3%, and 8.5%, respectively. As can be seen, there is

substantial demographic variability in the estimated rates with higher estimates of need for: younger persons, men, American Indian or Alaskan Natives and Whites, those never married, high school graduates, and those living at or below 200% of poverty. Estimates are also higher for those in institutions and group quarters.

Table 3. Estimates of Current Need for Substance Abuse Treatment for Pacific County for 1998

	Entire Adult Population*			Adult Household Residents			Adults at or below 200% Poverty		
Group	Cases	Pop	Rate	Cases	Pop	Rate	Cases	Pop	Rate
Total	1,432	16,588	8.6	1,360	16,335	8.3	538	6,292	8.5
Age	Cases	Pop	Rate	Cases	Pop	Rate	Cases	Pop	Rate
01-17	Not Available			Not Available			Not Available		
18-24	396	1,472	26.9	346	1,411	24.5	164	782	21.0
25-44	659	5,177	12.7	647	5,162	12.5	244	1,940	12.6
45-64	275	5,282	5.2	273	5,270	5.2	93	1,601	5.8
65+	101	4,657	2.2	95	4,492	2.1	37	1,969	1.9
Sex	Cases	Pop	Rate	Cases	Pop	Rate	Cases	Pop	Rate
Male	1,013	8,069	12.6	945	7,938	11.9	356	2,742	13.0
Female	418	8,519	4.9	415	8,397	4.9	182	3,549	5.1
Ethnicity	Cases	Pop	Rate	Cases	Pop	Rate	Cases	Pop	Rate
White-NH	1,297	14,943	8.7	1,240	14,720	8.4	467	5,306	8.8
Black-NH	10	44	22.2	2	31	7.2	1	12	5.4
Asian	11	616	1.8	10	612	1.7	7	335	2.1
Native Am.**	67	450	14.9	66	449	14.6	34	258	13.2
Hispanic	46	535	8.6	42	524	7.9	29	380	7.6
Marital	Cases	Pop	Rate	Cases	Pop	Rate	Cases	Pop	Rate
Married	619	10,748	5.8	610	10,709	5.7	191	3,122	6.1
Div/Sep/Wid	333	3,830	8.7	319	3,687	8.6	168	2,237	7.5
Never Mar	480	2,010	23.9	431	1,939	22.3	179	933	19.2
Education	Cases	Pop	Rate	Cases	Pop	Rate	Cases	Pop	Rate
Not HS Grad	424	4,683	9.1	372	4,517	8.2	148	2,657	5.6
HS Graduate	1,007	11,906	8.5	988	11,819	8.4	390	3,634	10.7
Poverty	Cases	Pop	Rate	Cases	Pop	Rate	Cases	Pop	Rate
Below 200%	602	6,528	9.2	538	6,292	8.5	538	6,292	8.5
Above 200%	829	10,060	8.2	822	10,044	8.2	0	0	.
Residence	Cases	Pop	Rate	Cases	Pop	Rate	Cases	Pop	Rate
Residential	1,360	16,335	8.3	635,432	16,335	3890.0	538	6,292	8.5
Institutional	69	239	28.8	.	0	.	0	0	.
Group quarters	3	14	19.8	.	0	.	0	0	.

* Includes institutions and group quarters

** American Indian or Alaskan Native.

Treatment Assessment Report Generation Tool

The Division of Alcohol and Substance Abuse maintains a database of services provided under its programs. This is called the Treatment Assessment Report Generation Tool (TARGET). Reporting is required for treatment agencies providing public sector contracted or funded treatment services and optional for private pay individuals served. Thus TARGET includes data on services provided by or funded by DASA. Although sometimes included in TARGET, we did not report services funded by private payment, or private insurance, or services provided by private practitioners or detoxification provided as part of a medical admission. TARGET information collection is based on establishing a baseline at admission to treatment and capturing/identifying changes to that baseline upon discharge thus providing information on progress during treatment.

The present report draws from services data in TARGET provided to the non-institutionalized population during the five-year period from 1994 through 1998. DASA services provided to prisoners through the Department of Corrections are not included in this report. The services are summarized in three types of units designated: clients, admissions, and volume.

* *Clients* designates the number of persons who have received DASA services within the year for each of the reported categories. These counts are unduplicated such that a person only counts once for a reported type of service even if they have received multiple instances of service within that type.

* *Admissions (admits)* designates the number of identified admissions to programs within a type, and can be duplicated for an individual if that person is readmitted to the same service or is admitted to a different service within the same reporting category. When a person is admitted once for services spanning the end of a year, the admission is credited proportionally to both years. Thus a person admitted on December 1 and discharged on January 31 would be counted as having half an admission in each year.

* *Volume* is a measure of contacts. For inpatient and residential services the unit of volume is the day. A day is credited for each whole or partial day in the program. A person admitted today and discharged tomorrow would count as having two days in the program. For outpatient programs the unit of volume is the contact/visit. Thus a person who had individual therapy on Monday and Friday of a week would be credited with two visits, as would a person having an individual and a group therapy visit on the same day.

We have provided summaries of service usage in two categorizations. The primary categories for reporting services are by the modality indicated on the admission record. These include a number of specific modalities such as "intensive inpatient", and "long term residential." These detailed modalities are summarized into 1) inpatient, 2) outpatient, 3) methadone and 4) total, for most tables. In addition to summaries by modality, we have provided summaries by specific type of activity within the outpatient and methadone modalities. Although not included in the summaries above, we have also included "detox," "transitional housing," and "dual diagnosis" tabulations under the category "supportive interventions."

Service Trends from TARGET Database

Table 4 presents the service summary trends for the time period from 1994 to 1998. It includes inpatient, outpatient, methadone, and total. Generally, patterns are consistent over time with some suggestion of decreased inpatient usage over time.

Table 4. Service Trends for 1994-1998 for Pacific County					
Clients	1994	1995	1996	1997	1998
Inpatient Summary	28	25	30	33	49
Outpatient Summary	23	79	97	109	121
Methadone Summary	0	0	0	0	0
Total (Inpatient,Outpatient,Methadone)	48	102	119	128	155
Admits	1994	1995	1996	1997	1998
Inpatient Summary	26	27	30	34	47
Outpatient Summary	40	64	79	97	92
Methadone Summary	0	0	0	0	0
Total (Inpatient,Outpatient,Methadone)	66	91	109	131	139
Volume	1994	1995	1996	1997	1998
Inpatient summary - days	926	817	910	1,272	1,740
Outpatient summary - services	620	1,579	1,525	2,607	2,784
Methadone summary - services	0	0	0	0	0

Note: Total service volume is omitted because it would mix days and services.

Service Use by Modality and Activity

Table 5 presents the detailed breakout of service utilization by modality and activity. Specifically, within inpatient, outpatient, and methadone modalities, specific service activities are identified. For each modality and activity the number of clients, number of admissions, and service volumes are presented. The average volume per admission is also presented.

Table 5. Service Use by Modality and Activity for 1998 for Pacific County

SERVICE SUMMARIES	Clients	Admissions	Volume	Volume/Adm.
Inpatient Summary	49	47	1,740	37.0
Outpatient Summary	121	92	2,784	30.3
Methadone Summary	0	0	0	.
Any Treatment	155	139	Not appl.	Not appl.
INPATIENT	Clients	Admissions	Volume	Volume/Adm.
II -Intensive Inpatient	27	27	458	17.0
LT -Long Term Residential	19	17	1,155	67.9
MR -MICA Residential	0	0	0	.
EC -Extended Care	1	0	19	.
RH -Recovery House	4	3	108	36.0
OUTPATIENT MODALITY	Clients	Admissions	Volume	Volume/Adm.
MO -MICA Outpatient	0	0	0	.
GC -Group Care	0	0	0	.
OP -Outpatient	121	92	2,784	30.3
METHADONE MODALITY	Clients	Admissions	Volume	Volume/Adm.
MT -Methadone Rx	0	0	0	.
OUTPATIENT ACTIVITY	Clients	Admissions	Volume	Volume/Adm.
OP-I Individual	78	70	248	3.5
OP-G Group	121	100	2,518	25.2
OP-J Conjoint - Family with Client	5	5	17	3.4
OP-F Family without Client	0	0	0	.
OP-C Childcare	0	0	0	.
OP-M Case Management	0	0	0	.
OP-A Acupuncture	0	0	0	.
OP-U Urinalysis	1	1	1	1.0
METHADONE ACTIVITY	Clients	Admissions	Volume	Volume/Adm.
MT-I Individual	0	0	0	.
MT-G Group	0	0	0	.
MT-J Conjoint - Family with Client	0	0	0	.
MT-F Family without Client	0	0	0	.
MT-C Childcare	0	0	0	.
MT-M Case Management	0	0	0	.
MT-A Acupuncture	0	0	0	.
MT-R Methadone Adjustment	0	0	0	.
MT-U Urinalysis	0	0	0	.
SUPPORTIVE INTERVENTIONS (Not in Summary)	Clients	Admissions	Volume	Volume/Adm.
DX -Detox	8	8	26	3.3
TH -Transitional Housing	0	0	0	.
DD -Dual Diagnosis	0	0	0	.

Service Use by Demographics

The next two tables present service summaries for modalities by demographics. Table 6 presents summaries for inpatient and outpatient services. Table 7 presents summaries for methadone and total substance abuse services.

**Table 6. Inpatient and Outpatient Substance Abuse Services
by Demographics for 1998 for Pacific County**

St/Co total	Inpatient			Outpatient		
	Clients	Admissions	Volume*	Clients	Admissions	Volume*
Total	49	47	1,740	121	92	2,784
Age	Clients	Admissions	Volume*	Clients	Admissions	Volume*
0-17	9	10	190	20	20	513
18-24	7	6	223	11	8	305
25-44	29	27	1,259	72	50	1,475
45-64	4	4	68	17	13	456
65+	0	0	0	1	1	35
Sex	Clients	Admissions	Volume*	Clients	Admissions	Volume*
Male	25	24	929	68	57	1,609
Female	24	23	811	53	35	1,175
Race/ethnicity	Clients	Admissions	Volume*	Clients	Admissions	Volume*
White-NH	41	38	1,288	106	78	2,425
Black-NH	0	0	0	1	1	45
Asian	0	0	0	1	1	8
Native Am	4	4	366	3	2	63
Hispanic	4	5	86	10	10	243
Marital status	Clients	Admissions	Volume*	Clients	Admissions	Volume*
Married	5	4	206	16	10	359
Sep/Wid/Div	14	13	386	57	41	1,287
Single	30	30	1,148	48	41	1,138
Education	Clients	Admissions	Volume*	Clients	Admissions	Volume*
Not HS Grad	29	29	1,040	64	52	1,406
H.S. Graduate	20	18	700	57	40	1,378
Household income	Clients	Admissions	Volume*	Clients	Admissions	Volume*
0-1500/mo	47	45	1,711	116	89	2,579
1501-5000	2	2	29	5	3	205
5001+	0	0	0	0	0	0
Residence	Clients	Admissions	Volume*	Clients	Admissions	Volume*
Household	43	41	1,535	119	90	2,772
Institutional	3	2	128	0	0	0
Group quarters	3	4	77	2	2	12

* Inpatient volume is days. Outpatient volume is service contacts.

** American Indian or Alaskan Native.

**Table 7. Methadone and Total Substance Abuse Services
by Demographics for 1998 for Pacific County**

St/Co total	Methadone			Total (In/Out/Meth)		
	Clients	Admissions	Volume*	Clients	Admissions	Volume*
Total	0	0	0	155	139	Not appl.
Age	Clients	Admissions	Volume*	Clients	Admissions	Volume*
0-17	0	0	0	25	30	Not appl.
18-24	0	0	0	16	14	Not appl.
25-44	0	0	0	93	77	Not appl.
45-64	0	0	0	20	17	Not appl.
65+	0	0	0	1	1	Not appl.
Sex	Clients	Admissions	Volume*	Clients	Admissions	Volume*
Male	0	0	0	84	81	Not appl.
Female	0	0	0	71	58	Not appl.
Race/ethnicity	Clients	Admissions	Volume*	Clients	Admissions	Volume*
White-NH	0	0	0	134	116	Not appl.
Black-NH	0	0	0	1	1	Not appl.
Asian	0	0	0	1	1	Not appl.
Native Am	0	0	0	7	6	Not appl.
Hispanic	0	0	0	12	15	Not appl.
Marital status	Clients	Admissions	Volume*	Clients	Admissions	Volume*
Married	0	0	0	19	14	Not appl.
Sep/Wid/Div	0	0	0	68	54	Not appl.
Single	0	0	0	68	71	Not appl.
Education	Clients	Admissions	Volume*	Clients	Admissions	Volume*
Not HS Grad	0	0	0	83	81	Not appl.
H.S. Graduate	0	0	0	72	58	Not appl.
Household income	Clients	Admissions	Volume*	Clients	Admissions	Volume*
0-1500/mo	0	0	0	148	134	Not appl.
1501-5000	0	0	0	7	5	Not appl.
5001+	0	0	0	0	0	Not appl.
Residence	Clients	Admissions	Volume*	Clients	Admissions	Volume*
Household	0	0	0	148	131	Not appl.
Institutional	0	0	0	3	2	Not appl.
Group quarters	0	0	0	4	6	Not appl.

* Methadone volume is service contacts. No volume is provided for Total.

** American Indian or Alaskan Native.

Comparisons of Need and Services Funded through DASA

The last analysis presented in this report is a comparison of rates of estimated need for services with rates of utilization of services. This comparison of use to need, in which the number of persons being served is presented as a percentage of the number of persons estimated to be in need, is called *met need*. To the extent that met need falls short of 100%, the shortfall is called *unmet need*.

This comparison is presented in Table 8 to facilitate identification of populations which are using fewer services than would be expected from the estimated need. Statewide, the use to need rate tends to run around 20%, suggesting a rather large amount of unmet need for treatment. However, the services identified in this comparison are only from the public sector. It is reasonable to expect that the private sector, either through insurance or self-pay, would meet some additional proportion of the estimated need. On the other hand, the estimates of need used in the comparison came only from households at or below 200% of the poverty level, who may lack any alternative to public services.

The comparisons show that some groups have less unmet need than others. This occurs in part because some populations are more likely to seek treatment than others and some programs may be better in their outreach to some populations than others. The differences may also be the result of the true local rate of need being greater or less than the estimates provided.

Table 8. Rates of Current Need for Treatment, Use of DASA Treatment Services, and Ratio of Use to Need by Demographics for Pacific County Adults Living in Households, 1998

	At or below 200% of Poverty			DASA Target Clients		Need Met by DASA(%)
	Population	Treatment Need	Need/Pop	Clients	Use/Pop	Use/Need
Total	6,292	538	8.5	123	2.0	22.9
Age	Population	Treatment Need	Need/Pop	Clients	Use/Pop	Use/Need
18-24	782	164	21.0	14	1.8	8.5
25-44	1,940	244	12.6	88	4.5	36.1
45-64	1,601	93	5.8	20	1.2	21.5
65+	1,969	37	1.9	1	0.1	2.7
Sex	Population	Treatment Need	Need/Pop	Clients	Use/Pop	Use/Need
Male	2,742	356	13.0	65	2.4	18.3
Female	3,549	182	5.1	58	1.6	31.8
Race/ethnicity	Population	Treatment Need	Need/Pop	Clients	Use/Pop	Use/Need
White-NH	5,306	467	8.8	109	2.1	23.3
Black-NH	12	1	5.4	1	8.2	149.8
Asian	335	7	2.1	0	0.0	0.0
Native Am.*	258	34	13.2	6	2.3	17.6
Hispanic	380	29	7.6	7	1.8	24.1
Marital	Population	Treatment Need	Need/Pop	Clients	Use/Pop	Use/Need
Married	3,122	191	6.1	19	0.6	10.0
Sep/Wid/Div	2,237	168	7.5	65	2.9	38.8
Single	933	179	19.2	39	4.2	21.7
Education	Population	Treatment Need	Need/Pop	Clients	Use/Pop	Use/Need
Below HS	2,657	148	5.6	56	2.1	37.8
HS Grad	3,634	390	10.7	67	1.8	17.2

* American Indian or Alaskan Native.

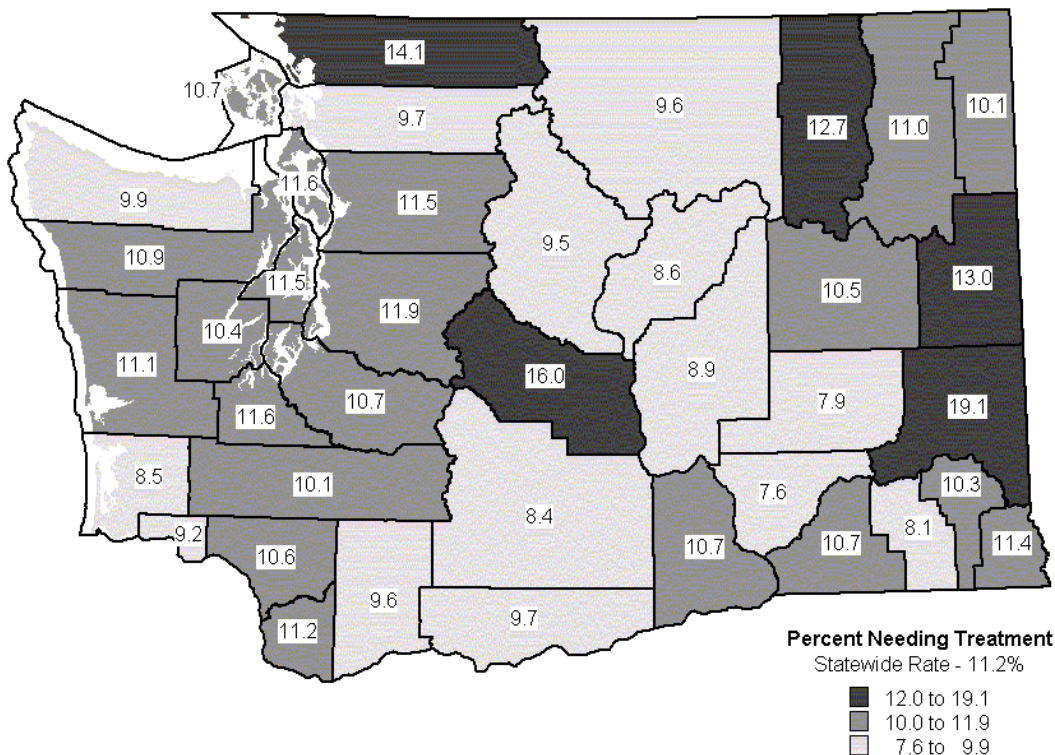
Table 9 presents the trends in the relationship between estimated need for services by adults at or below 200% of poverty and the utilization of services by services eligible adults. Youth below age 18 were not included in these comparisons because they were not included in the WANAHS survey. Although the estimated numbers in need of services change with fluctuations in the population, the overall rates of need remain relatively stable in most counties. There is somewhat more variation over time in the reported use of services and consequently in the use to need ratio.

Table 9. Rates of Current Need for Treatment, Use of DASA Treatment Services, and Ratio of Use to Need for Pacific County Adults Living in Households by Year

	At or below 200% of Poverty			DASA Clients		Need Met by DASA(%)
	Population	Treatment Need	Need/Pop	Clients	Use/Pop	Use/Need
Adults-1994	5,840	514	8.8	31	0.5	6.0
Adults-1995	6,054	525	8.7	88	1.5	16.8
Adults-1996	6,117	530	8.7	102	1.7	19.3
Adults-1997	6,202	533	8.6	100	1.6	18.8
Adults-1998	6,292	538	8.5	123	2.0	22.9

The distribution of estimated current need for substance treatment, treatment provided by DASA, and the percentage of need met by DASA are presented in the following maps for the year 1998. These estimates are for the adult population in households and are based on the demographic composition of the counties.

**Current Need for Substance Abuse Treatment Services
Among Adults Living in Households At or Below 200% FPL, 1998**



Percent Using Treatment
Statewide Rate - 2.1%

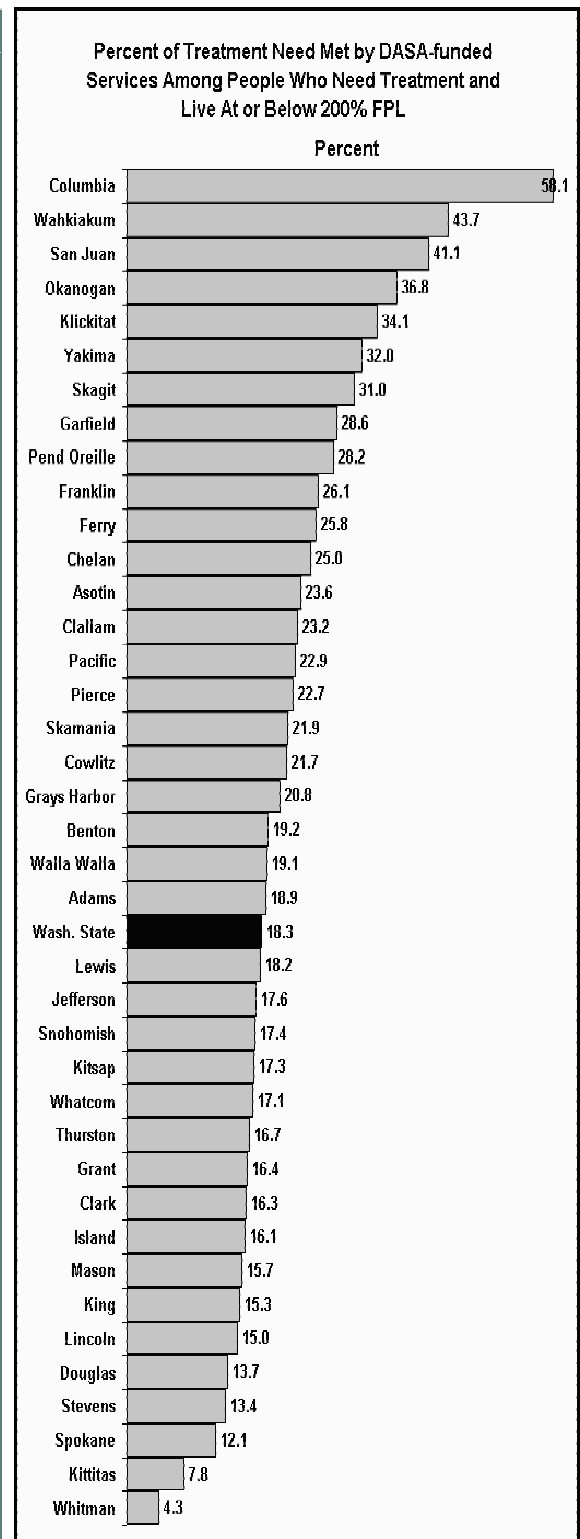
County	Percent Using Treatment
Adams	2.4
Asotin	3.0
Benton	3.5
Burrton	3.3
Chelan	1.5
Columbia	2.8
Douglas	1.6
Franklin	1.6
Garfield	1.2
Grant	1.6
Island	1.9
Jackson	1.9
Kittitas	2.0
Klickitat	2.0
Lincoln	1.8
Mason	2.4
Okanogan	1.3
Pacific	1.5
Pend Oreille	1.5
Shawano	0.8
Snohomish	2.0
Spokan	2.0
Thurston	4.7
Titan	3.0
Walla Walla	2.7
Wenatchee	2.1
Yakima	3.3
Yamhill	2.7
Yonkers	2.1
Yuba	1.8
Yukon	2.3
Yuma	2.0
Yupik	4.0

Percent of Need Met
 Statewide Ratio - 18.3%

County	Percent of Need Met
Adams	28.2
Asotin	13.4
Benton	12.1
Chelan	15.0
Columbia	4.3
Douglas	18.9
Ferry	19.1
Franklin	58.1
Garfield	23.6
Grant	26.1
Island	19.2
Jackson	34.1
Kittitas	21.9
Klickitat	16.3
Lincoln	21.7
Mason	43.7
Mitchell	18.2
Multnomah	22.9
Naselle	16.7
Okanogan	22.7
Pacific	15.3
Pend Oreille	17.3
Pierce	15.7
San Juan	7.8
Snohomish	16.4
Spokan	13.7
Stevens	25.0
Suquamish	36.8
Tacoma	31.0
Thurston	17.4
Walla Walla	17.6
Washello	20.8
Whitman	17.0
Yakima	23.2
Yakima	41.1

Table 10. Rates of Current Need for Treatment, Use of DASA Treatment, and Ratio of Use to Current Need by County for Washington State Adults Living in Households at or Below 200% FPL, 1998

County	Adults Living At or Below 200% FPL					
	Total	Need Treatment		Use DASA Treatment		Use/Need
		Number	% of Total	Number	% of Total	Percent
Wash. State	962,573	107,823	11.2	19,755	2.1	18.3
Adams	4,534	359	7.9	68	1.5	18.9
Asotin	4,340	496	11.4	117	2.7	23.6
Benton	23,549	2,528	10.7	486	2.1	19.2
Chelan	15,250	1,450	9.5	363	2.4	25.0
Clallam	14,071	1,398	9.9	325	2.3	23.2
Clark	53,015	5,939	11.2	969	1.8	16.3
Columbia	1,190	96	8.1	56	4.7	58.1
Cowlitz	19,047	2,011	10.6	437	2.3	21.7
Douglas	7,331	630	8.6	86	1.2	13.7
Ferry	2,024	256	12.7	66	3.3	25.8
Franklin	13,390	1,012	7.6	264	2.0	26.1
Garfield	508	52	10.3	15	3.0	28.6
Grant	20,624	1,843	8.9	303	1.5	16.4
Grays Harbor	16,915	1,874	11.1	389	2.3	20.8
Island	11,210	1,295	11.6	209	1.9	16.1
Jefferson	6,200	677	10.9	119	1.9	17.6
King	212,311	25,212	11.9	3,845	1.8	15.3
Kitsap	31,264	3,587	11.5	620	2.0	17.3
Kittitas	8,593	1,379	16.0	108	1.3	7.8
Klickitat	5,248	508	9.7	173	3.3	34.1
Lewis	16,604	1,685	10.1	307	1.8	18.2
Lincoln	2,408	253	10.5	38	1.6	15.0
Mason	9,902	1,029	10.4	161	1.6	15.7
Okanogan	12,441	1,196	9.6	440	3.5	36.8
Pacific	6,292	538	8.5	123	2.0	22.9
Pend Oreille	3,160	319	10.1	90	2.8	28.2
Pierce	110,913	11,884	10.7	2,695	2.4	22.7
San Juan	1,905	204	10.7	84	4.4	41.1
Skagit	17,191	1,672	9.7	519	3.0	31.0
Skamania	2,323	224	9.6	49	2.1	21.9
Snohomish	66,860	7,657	11.5	1,335	2.0	17.4
Spokane	86,087	11,150	13.0	1,346	1.6	12.1
Stevens	9,833	1,083	11.0	145	1.5	13.4
Thurston	32,352	3,759	11.6	626	1.9	16.7
Wahkiakum	870	80	9.2	35	4.0	43.7
Walla Walla	11,174	1,195	10.7	228	2.0	19.1
Whatcom	29,796	4,201	14.1	718	2.4	17.1
Whitman	10,062	1,925	19.1	83	0.8	4.3
Yakima	61,787	5,166	8.4	1,652	2.7	32.0



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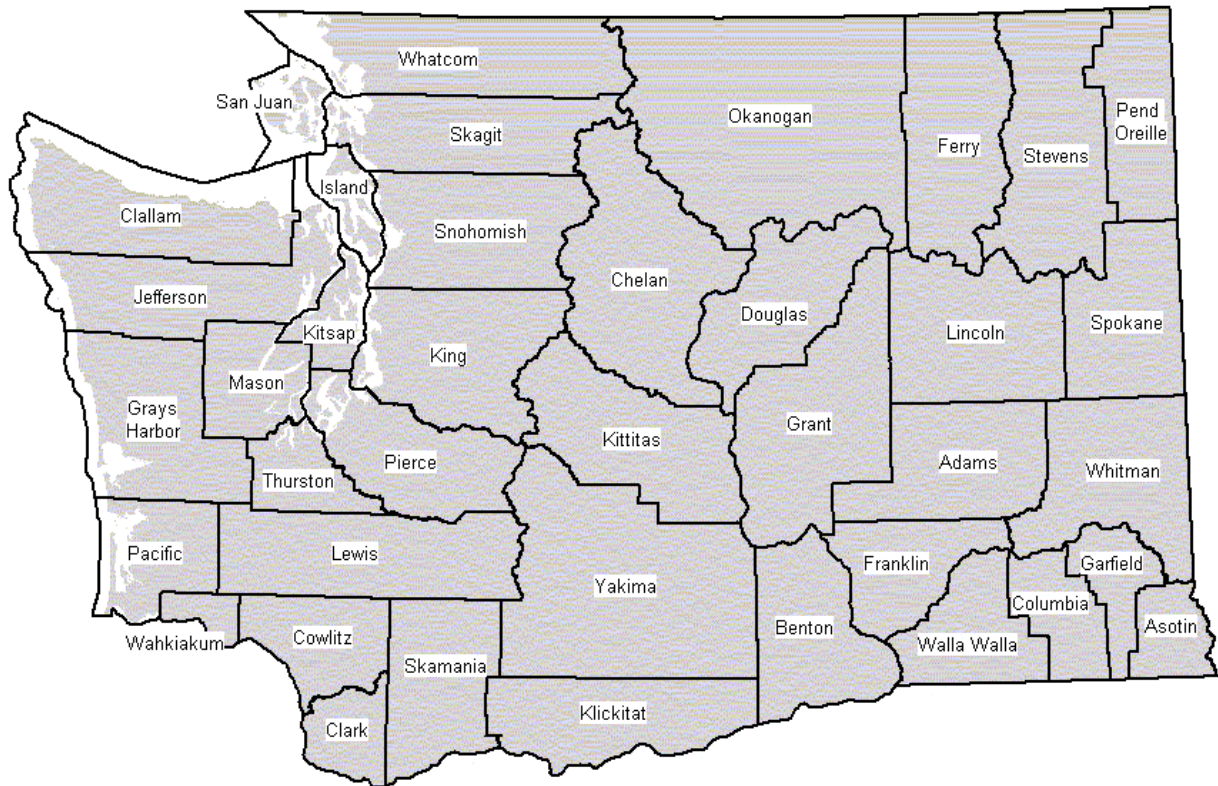
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